a detection unit configured to detect a state parameter of the electronic device;

a power supply unit configured to supply current; and

a processing unit electrically connected with the display unit, the detection unit and the power supply unit, respectively, and configured to determine whether the electronic device is in a predetermined state based on the state parameter and, upon determining that the electronic device is in the predetermined state, instruct the power supply unit to apply a predetermined current to the electro-deformable layer, such that a strength of the electro-deformable layer is increased from a first, default strength to a second strength.

2. The electronic device of claim **1**, wherein the state parameter is a pressure parameter,

the detection unit comprises a first detection module configured to detect the pressure parameter on the surface of the display unit; and

the processing unit is configured to determine whether the electronic device is in the predetermined state based on the state parameter by: determining that the electronic device is in the predetermined state when the pressure parameter is larger than or equal to a predetermined threshold.

3. The electronic device of claim **1**, wherein the state parameter is an orientation parameter,

the detection unit comprises a second detection module configured to detect the orientation parameter of the electronic device; and

the processing unit is configured to determine whether the electronic device is in the predetermined state based on the state parameter by: determining that the electronic device is in the predetermined state when the orientation parameter indicates that the display unit faces ground.

4. The electronic device of claim **1**, wherein the state parameter is a motion parameter,

the detection unit comprises a third detection module configured to detect the motion parameter of the electronic device; and

the processing unit is configured to determine whether the electronic device is in the predetermined state based on the state parameter by: determining that the electronic device is in the predetermined state when the motion parameter is larger than or equal to a predetermined threshold.

5. The electronic device of claim **1**, wherein the processing unit is further configured to:

obtain a predetermined instruction and, in response to the predetermined instruction, instruct the power supply unit to apply a predetermined alternating current to the electro-deformable layer, such that a deformation of the electro-deformable layer in a direction perpendicular to the surface of the display unit changes periodically.

6. The electronic device of claim **5**, wherein the processing unit is configured to obtain the predetermined instruction by generating and obtaining the predetermined instruction upon detecting that the display unit has switched from a non-operating state to an operating state.

7. The electronic device of claim **1**, wherein the display unit is an e-paper display screen.

8. A method for controlling an electronic device, the electronic device comprising a display unit having an electro-deformable layer provided on its surface, the method comprising:

detecting a state parameter of the electronic device;

determining whether the electronic device is in a predetermined state based on the state parameter; and

applying, upon determining that the electronic device is in the predetermined state, a predetermined current to the electro-deformable layer, such that a strength of the electro-deformable layer is increased from a first, default strength to a second strength.

9. The method of claim **8**, wherein the state parameter is a pressure parameter on the surface of the display unit, and

said determining whether the electronic device is in the predetermined state based on the state parameter comprises: determining that the electronic device is in the predetermined state when the pressure parameter is larger than or equal to a predetermined threshold.

10. The method of claim **8**, wherein the state parameter is an orientation parameter of the electronic device, and

said determining whether the electronic device is in the predetermined state based on the state parameter comprises: determining that the electronic device is in the predetermined state when the orientation parameter indicates that the display unit faces ground.

11. The method of claim **8**, wherein the state parameter is a motion parameter of the electronic device, and

said determining whether the electronic device is in the predetermined state based on the state parameter comprises: determining that the electronic device is in the predetermined state when the motion parameter is larger than or equal to a predetermined threshold.

12. The method of claim **8**, further comprising:

obtaining a predetermined instruction; and

applying, in response to the predetermined instruction, a predetermined alternating current to the electro-deformable layer, such that a deformation of the electro-deformable layer in a direction perpendicular to the surface of the display unit changes periodically.

13. The method of claim **12**, wherein said obtaining the predetermined instruction comprises: generating and obtaining the predetermined instruction upon detecting that the display unit has switched from a non-operating state to an operating state.

14. The method of claim **8**, wherein the display unit is an e-paper display screen.

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